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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR        | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|-----------------------------|---------------------|------------------|
| 10/754,145  | 01/09/2004  | Benjamin C. Reed            | ARC920030106US1     | 7481             |
| 61542 7590 06/30/2009<br>LEONARD T. GUZMAN<br>IBM CORP., LAW DEPT., C4TA/J2B<br>650 HARRY ROAD<br>SAN JOSE, CA 95120-6099 |             |                             |                     |                  |
| EXAMINER<br>TRUONG, LECHU   |             |                             |                     |                  |
| ART UNIT<br>2194  |             | PAPER NUMBER                |                     |                  |
| NOTIFICATION DATE<br>06/30/2009   |             | DELIVERY MODE<br>ELECTRONIC |                     |                  |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ARCIPL@us.ibm.com  
manulele@us.ibm.com

### Office Action Summary

**Application No.**

10/754,145

**Applicant(s)**

REED ET AL.

**Examiner**

LECHI TRUONG

**Art Unit**

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 March 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 and 6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SE/US)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. Claims 1, 6 are presented for the examination. Claims 2-5, 7-22 are cancelled.

***Claim Rejections - 35 USC § 101***

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. Claims 1, 6 directed to the method claims that would not qualify as a statutory process would be a claim that recited purely mental steps. Thus, to qualify as a 101 statutory process, the claim should be positively reciting the other statutory class (the thing or product) to which it is tied, for example by identifying the apparatus that accomplishes the method steps. Appropriate correction is required to add the computer performs the step of the methods in the body of the claim.

4. To insure proper consideration and to the extent required by 37 CFR 1.56, applicant is required to supply a copy of the publication reference cited in the specification because it is not readily available to the examiner (e.g. see page 2, lines 12-18, page 5, lines 10-31, page 6, lines 1-2).

***Claim Rejections - 35 USC § 102***

5. Claims 1, 6 are rejected under 35 U.S.C. 102(c) as being anticipated by APA (Admitted Prior Art).

**As to claim 1**, APA teaches a proxy bundle( bundle 110, page 2, ln 26-31/ page 3, ln 3-7), creating a proxy bundle( page 3, ln 3-7), web service(web service, page 3, ln 21-27), a proxy bundle web service( service 130, page 2, ln 26-31/ OSGi service, page 3, ln 26-31), service registry( service registry, page 2, ln 26-31/ page 3, ln 20-26), registering a proxy web service corresponding to the proxy bundle in a service( page 2, ln 21-27/ page 3, ln 21-27), a reference( reference, pate 2, ln 29-31), returning a reference to the proxy web service from the service registry in response to the searching( page 2, ln 21-27), method( methods, pare 2, ln 29-31), invoking at least one method on the returned reference , thereby invoking the at least on web service( page 2, ln 29-31/ page 3, ln 20-31).

**As to claim 6**, APP teaches using a list of properties from the proxy bundle as service properties (page 3, ln 29-31).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272-3767. The examiner can normally be reached between 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sough Hyung can be reached on (571) 272-6799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

/LeChi Truong/

Examiner, Art Unit 2194

LeChi Truong

June 26, 2009